

AMENDMENTS TO THE SPECIFICATION:

Please replace the title with the following amended title:

**"METHOD FOR UNIVERSAL CALCULATION METHOD APPLIED TO POINTS OF
ON AN ELLIPTIC CURVE DEFINED BY A QUARTIC, RELATED AND ASSOCIATED
CRYPTOGRAPHIC METHOD AND ELECTRONIC COMPONENT"**

Please add the following new paragraph immediately after the title appearing on page 1.

This disclosure is based upon French Application No. 02/10193, filed August 9, 2002, and International Application No. PCT/FR2003/002462, filed August 5, 2003, the contents of which are incorporated herein by reference.

Please add on a new line the following at page 1, line 5:

BACKGROUND OF THE INVENTION

Please add on a new line the following at page 11, line 10:

SUMMARY OF THE INVENTION

Please add on a new line the following at page 13, line 26:

BRIEF DESCRIPTION OF THE DRAWINGS

Please add on a new line the following at page 14, line 6:

DETAILED DESCRIPTION

IN THE ABSTRACT:

Please add the following Abstract:

ABSTRACT

A method for universal calculation on the points of an elliptic curve defined by a quartic equation uses identical programmed calculating devices for operating an addition of points, a doubling of points and an addition of a neutral point. The calculating device is a central unit associated with a memory. The invention also concerns a cryptographic method using such a universal method. The invention further concerns a component for implementing the universal calculation method and/or the cryptographic method. For example, the invention is applicable to smart cards.